

IN THE DRAWINGS:

A Letter to the Official Draftsman is attached with proposed drawing corrections to Figures 6a and 6b.

The attached sheet of drawings includes changes to Figs. 6a and 6b. This sheet, which includes Figs. 6a and 6b, replaces the original sheet of Figs. 6a and 6b.

REMARKS

This responds to the first Office Action mailed May 31, 2007 in connection with the above-identified patent application.

Claims 34-66 are pending in the application.

Claims 34-66 have been amended in order to correct the informalities objected to by the Examiner.

Drawings

The legend "Related Art" has been added to figures 6a and 6b and the replacement sheet has been labeled as "Replacement Sheet".

Specification

Page 14, lines 27-31, page 22, line 13 and page 7, lines 13-18, have been corrected accordingly.

Please note that the word "camera" has been changed into "chamber separating the first fixed portion from the second movable portion" and refers to the chamber numbered as 63 in figure 26. Support for this amendment can also be found on page 33, lines 8-14, of the published WO2005/057155. The word "camera" was erroneously used because the Italian word for "chamber" is "camera".

Claim Objections

Claim 34:

The colon in line 13 has been changed into a semicolon;

“a first a first” has been changed into “a first”;

“a pre-established threshold value” in line 28 is related to that in line 22 and, therefore, has been changed into “the first pre-established threshold value”;

“a rigid member” in line 42 is related to that in line 14 and, therefore, has been changed into “said rigid member”;

“o” in line 46 has been corrected into “on”;

“close” in line 57 has been corrected into “closes”.

Claim 35:

“a first position distal” in line 6 is related to “the first distal position” in claim 34 line 9 and therefore has been changed into “the first distal position”;

Claim 36:

“a first movable diaphragm” has an antecedent in “a deforming element” disclosed in claim 34, line 40, therefore, the phrase “wherein the deforming element is defined by a first movable diaphragm” has been added to claim 36;

“a rigid member” is related to that in claim 34, line 14, and has been changed into “the rigid member”.

Claim 37:

The first phrase of claim 37 has been amended to better clarify that the forces exerted by the pressure inside the measuring chamber and by the elastic elements operate on the measuring mechanism;

The two last lines have been cancelled.

Claim 39:

Such claim has been amended to clarify that the valve with three ways and two positions is part of the self-closing means.

Claim 40:

The first support in this claim is the support of claim 34, line 50, therefore, “a support” in claim 34 has been changed into “a first support” and “a first support” of claim 40 has been changed into “the first support”.

Claim 40 has also been amended to depend on claim 39.

Claim 41:

Claim 41 has been amended to depend on claim 40 in order to provide all the antecedent bases.

Claim 42:

Claim 42 has been amended to depend on claim 39 in order to provide the antecedent basis.

Claim 43:

“valued” in line 7 has been corrected into “values”.

Claim 44:

Claim 44 has been amended to depend on claim 43 in order to provide the antecedent basis.

Claim 45:

Claim 45 has been amended to depend on claim 44 in order to provide the antecedent basis to “the second movable diaphragm”.

“The basis” has been amended into “a basis”.

Claim 46:

Claim 46 has been reformulated to introduce the electric circuits (and apparatuses) and to clarify that, in the first and second electric conditions, the electric circuits generate signals.

Claim 47:

“sensor” has been corrected into “sensors”;

“reference” has been corrected into “referencing”.

Claim 48:

Claim 48 has been amended to depend on claim 40 in order to provide most of the antecedent bases;

“the cavity” has been changed into “a cavity”.

Claim 49:

Claim 49 has been amended to depend on claim 48 in order to provide all the antecedent basis.

Claim 51:

“the counter spring” has been changed into “a counter spring”.

Claim 52:

Claim 52 has been amended to depend on claim 36 in order to provide the antecedent bases.

Claim 53:

Claim 53 has been amended to depend on claim 52 in order to justify the “second Belleville washer”;

“the first slider” has been changed into “a first slider”.

Claim 54:

“fasting” has been changed into “fastening”;

The nomenclature has been changed into “the fixed portion” and “the movable portion”.

Claims 55:

Claim 55 has been amended to depend on claim 54.

Claims 56:

Claim 56 has been amended to depend on claim 55.

Claims 57:

Claim 57 has been amended to depend on claim 54 in order to provide all the antecedent bases.

Claims 58:

Claim 58 has been amended to depend on claim 57 in order to provide all the antecedent bases.

Claims 59:

Claim 59 has been amended to depend on claim 57 in order to provide the antecedent basis to the “hollow sleeve”;

“the counter spring” has been changed into “a counter spring”;

all “the duct” have been changed into “a duct”;

“the camera” has been changed into “a chamber separating the first fixed portion from the second movable portion”; please refer to the remarks to the specification.

Claim 60:

“the first slider” has been changed into “a first slider”;

“the second slider” has been changed into “a second slider”;

please note that “the basis” has an antecedent basis in claim 45.

Claim 61:

Claim 61 has been amended to depend on claim 60 in order to provide some of the antecedent bases;

“the first position distal” has been changed into “a first distal position”;

“the first elastic member” has been changed into “a first elastic member”;

“the second movable diaphragm” has been changed into “a second movable diaphragm”;

“the second spring” has been changed into “a second spring”.

Claim 62:

Claim 62 has been amended to depend on claim 61 in order to provide all the antecedent bases.

Claim 63:

Claim 63 has been amended to depend on claim 61 in order to provide some of the antecedent bases;

“the second elastic member” has been changed into “a second elastic member”.

Claim 64:

“the joined second and third sliders” has been changed into “a joined second and third sliders”;

“the first elastic member” has been changed into “a first elastic member”;

“the first slider” has been changed into “a first slider”;

please note that “the basis” has an antecedent basis in claim 45.

Claim 65:

“the first Belleville washer” has been changed into “a first Belleville washer”;

The “first support” has an antecedent in “a support” disclosed in claim 34, line 50, therefore, “a first support” has been changed into “the first support”.

Claim 66:

Claim 66 has been amended to depend on claim 65 in order to provide some of the antecedent bases;

“the gasket” has been changed into “a gasket”;

In order to define the two chambers, the sentence “the chamber from the chamber” has been amended into “a chamber internal to the gasket from the a chamber connected to the external environment”. Support for this amendment can be found on page 58, lines 1-6, of the published WO2005/057155.

In view of the foregoing, reconsideration and withdrawal of the above rejections is respectfully requested.

Conclusion

All matters having been addressed above and in view of the pending claims and remarks, Applicant respectfully requests the entry of this Amendment, the Examiner’s reconsideration of the application, and the timely allowance of the pending claims. Applicants’ counsel remains ready to assist the Examiner in any way to facilitate and expedite the prosecution of this application.

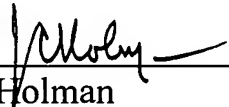
Based on the foregoing amendments and remarks, it is respectfully submitted that the claims in the present application, as they now stand, patentably distinguish over the references cited and applied by the Examiner and are, therefore, in condition

for allowance. A Notice of Allowance is in order, and such favorable action and reconsideration are respectfully requested.

However, if after reviewing the above amendments and remarks, the Examiner has any questions or comments, he is cordially invited to contact the undersigned attorneys.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By: 
John C. Holman
Reg. No. 22,769

400 Seventh Street, N.W.
Washington, D.C. 20004-2201
(202) 638-6666
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JCH/JLS/crj